## Claims

[1]	A phosphor,
	wherein a first phosphor having a chemical formula of Sr4-XMgYBaZ Si2O8:Eu
	$X^{2+}$ (0 < x < 1, 0 $\leq$ y $\leq$ 1, 0 $\leq$ z $\leq$ 1) and a second phosphor having a chemical
	formula of Sr3-xSiO5:Eu $^{2+}$ x (0 < x $\leq$ 1) are used with mixed in a fixed ratio.
[2]	The phosphor of claim 1, wherein the first phosphor is excited by light having a
	main peak in a range of 400 to 480nm and has a light emitting main peak in a
	range of 500 to 600nm.
[3]	The phosphor of claim 1, wherein the second phosphor is excited by light having
	a main peak in a range of 400 to 480nm and has a light emitting main peak in a
	range of 550 to 600nm.
[4]	The phosphor of claim 1, wherein a ratio of the first phosphor and the second
	phosphor is in a range of 9.9:0.1 to 5.0:5.0.
[5]	The phosphor of claim 1, wherein an average size of a particle of the first
	phosphor and the second phosphor is 20D or less.
[6]	The phosphor of claim 1, wherein an average size of a particle of the first
	phosphor and the second phosphor is in a range of 5 to 15D.
[7]	The phosphor of claim 1, wherein excitation light of the phosphor has a main
	peak in in a range of 400 to 480nm.
[8]	The phosphor of claim 1, wherein light exciting the phosphor and light excited
	by the phosphor are composed and emit white light.
[9]	A light emitting device comprising:
	alight source;
	a substrate supporting the light source;
	a light transmitting member provided in at least one part around the light source;
	and
	a phosphor which is mixed in the light transmitting member and in which a first
	phosphor having a chemical formula of Sr4-XMgYBaZ Si2O8:EuX $^{2+}$ (0 < x <
	$l,0\leq y\leq 1,0\leq z\leq 1)$ and a second phosphor having a chemical formula of Sr
	3-xSiO5:Eu $^{2+}$ x (0 < x $\leq$ 1) are mixed in a fixed ratio.
[10]	The light emitting device of claim 9, wherein when the light emitting device is
	used in a top view type, a ratio of the first phosphor and the second phosphor is
	in a range of 9.7:0.3 to 8.5:1.5.
[II]	The light emitting device of claim 10, wherein a content of the phosphor to the
	light transmitting member is in a range of 10 to 30 wt%.
[12]	The light emitting device of claim 9, wherein when the light emitting device is
	used in a side view type, a ratio of the first phosphor and the second phosphor is

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in a range of 9.5:0.5 b 8.0:2.0. [13] The light emitting device of claim 12, wherein a content of the phosphor to the light transmitting member is in a range of 5 to 20wt%. [14] The light emitting device of claim 9, wherein when the light emitting device is used in white backlight, a mixed ratio of the first phosphor and the second phosphor is in a range of 9.7: 0.3 to 8.5: 1.5. [15] The light emitting device of claim 14, wherein a content of the phosphor to the light transmitting member is in a range of 20 to 50 wt%. The light emitting device of claim 9, wherein when the light emitting device is [16] used in bluish white color backlight, the first phosphor and the second phosphor are mixed in a ratio of 9.7:0.3 to 8.5:1.5. The light emitting device of claim 16, wherein a content of the phosphor to the [17] light transmitting member is in a range of 10 to 40 wt%. The light emitting device of claim 9, wherein the light transmitting member is [18] molded as a light transmitting resin material. The light emitting device of claim 18, wherein the light transmitting resin [19] member is a silicone resin or an epoxy resin. The light emitting device of claim 9, wherein white color light is emitted after [20] passing through the phosphor layer. The light emitting device of claim 9, wherein the light transmitting member is [21] entirely provided at the outside of the light source. The light emitting device of claim 9, wherein the light transmitting member is [22] partially provided at the outside of the light source. A light emitting device comprising: [23] a light source emitting excitation light; a light transmitting member provided in at least one part around the light source; and a phosphor which is received in the light transmitting member and in which a first phosphor having a light emitting main peak in a range of 500 to 600nm to a blue color light source and a second phosphor having a light emitting main peak in a range of 550 to 600nm to the blue color light source are mixed in a ratio of 9.9:0.1 to 5.0:5.0. The light emitting device of claim 23, wherein light emitted from the light source [24] and light excited from the phosphor are together emitted. A surface mounting-type light emitting device comprising: [25] alight source;

a light transmitting member provided in at least one part around the light source;

a support supporting the light source;

and

a phosphor which is mixed in the light transmitting member and in which a first phosphor having a chemical formula of Sr4-XMgYBaZ Si2O8:EuX  $^{2+}$  (0 < x < 1, 0  $\le$  y  $\le$  1, 0  $\le$  z  $\le$  1) and a second phosphor having a chemical formula of Sr 3-xSiO5:Eu $^{2+}$ x (0 < x  $\le$  1) are mixed in a fixed ratio.

- [26] A lamp-type light emitting device comprising: alight source;
  - a support supporting the light source;
  - a light transmitting member provided in at least one part around the light source; and
  - a phosphor which is mixed in the light transmitting member and in which a first phosphor having a chemical formula of Sr4-XMgYBaZ Si2O8:EuX  $^{2+}$  (0 < x < 1, 0  $\leq$  y  $\leq$  1, 0  $\leq$  z  $\leq$  1) and a second phosphor having a chemical formula of Sr 3-xSiO5:Eu $^{2+}$ x (0 < x  $\leq$  1) are mixed in a fixed ratio.